

WHAT IS CLAIMED IS:

1. An polypeptide immunogen comprising an amino acid sequence at least 85% identical to SEQ ID NO: 1, wherein said polypeptide provides protective immunity against *S. aureus* and wherein if one or more additional polypeptide regions are present said additional regions do not provide a carboxyl terminus containing amino acids 261-294 of SEQ ID NO: 7.
2. The polypeptide of claim 1, wherein said polypeptide consists of an amino acid sequence at least 94% identical to either SEQ ID NO: 1 or SEQ ID NO: 2.
3. The polypeptide of claim 1, wherein said consists essentially of amino acids 3-260 of SEQ ID NO: 1 or 3-264 of SEQ ID NO: 2.
4. The polypeptide of claim 3, wherein said polypeptide consists of an amino acid sequence of SEQ ID NO: 1.
5. An immunogen comprising the polypeptide of claim 1, wherein said immunogen consists of said polypeptide and one or more additional regions moieties covalently joined to said polypeptide at the carboxyl terminus or amino terminus, wherein each region or moiety is independently selected from a region or moiety having at least one of the following properties: enhances the immune response, facilitates purification, or facilitates polypeptide stability.
6. A composition able to induce a protective immune response in a patient comprising an immunologically effective amount of the immunogen of any one of claims 1-5 and a pharmaceutically acceptable carrier.
7. The composition of claim 6, wherein said composition further comprises an adjuvant.
8. A nucleic acid comprising a recombinant gene comprising a nucleotide sequence encoding the polypeptide of any one of claims 1-4.
9. The nucleic acid of claim 8, wherein said nucleic acid is an expression vector.

10. A recombinant cell comprising a recombinant gene comprising a nucleotide sequence encoding the polypeptide of any one of claims 1-4.

11. A method of making a *S. aureus* polypeptide that provides protective immunity comprising the steps of:

- (a) growing the recombinant cell of claim 10 under conditions wherein a polypeptide is expressed; and
- (b) purifying said polypeptide.

12. A method of inducing a protective immune response in a patient comprising the step of administering to said patient an immunologically effective amount of a polypeptide immunogen comprising an amino acid at least 85% identical to SEQ ID NO: 1.

13. The method of claim 12, wherein said patient is a human.

14. The method of claim 13, wherein said patient is treated prophylactically against *S. aureus* infection.

15. The method of claim 12, wherein said immunogen is the immunogen of either claim 1, 2, 3, 4 or 5.